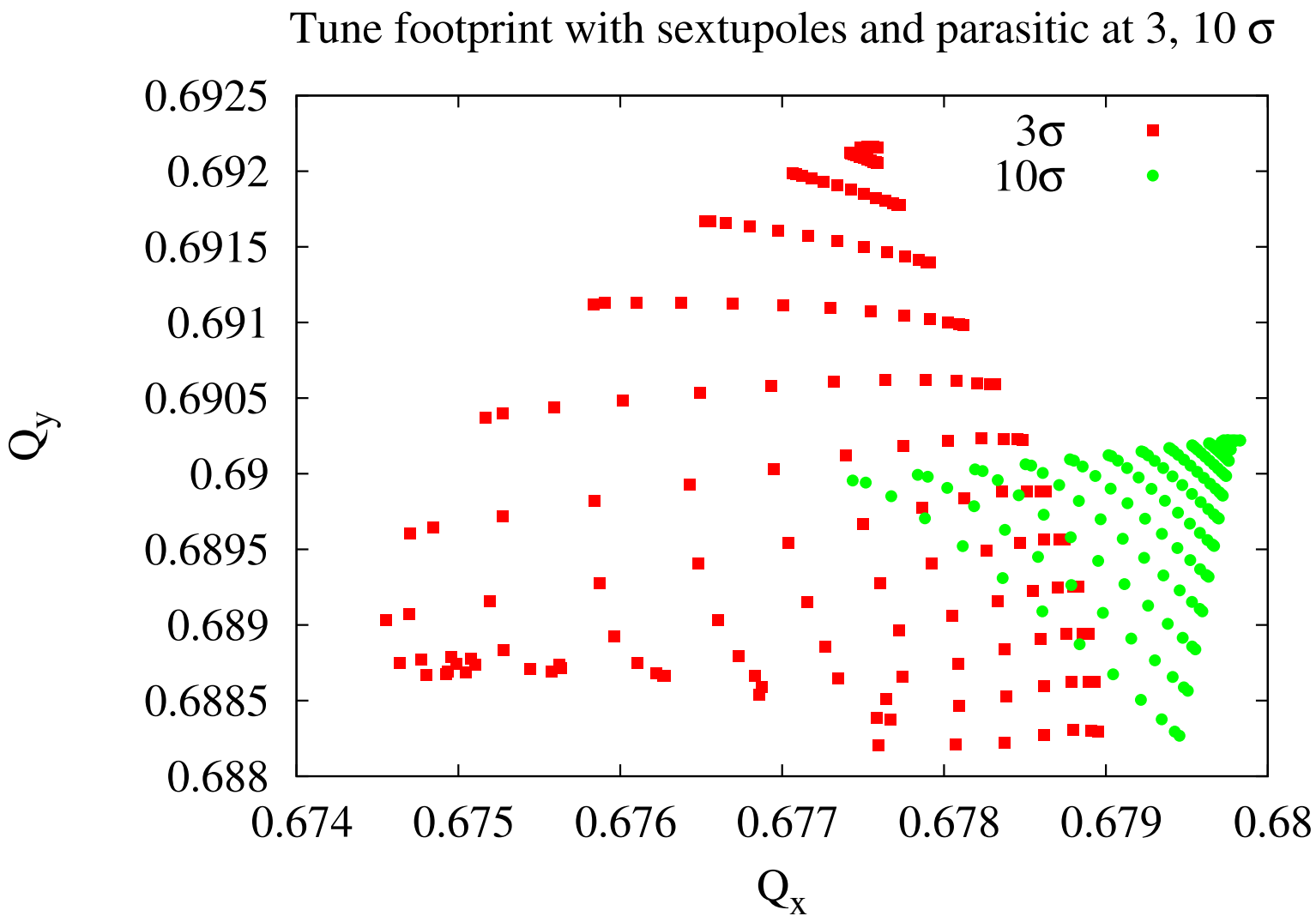

Figure 1: Tune footprints with sextupoles and single parasitic interaction at (1) 3σ separation, (2) 10σ separation . At 10σ separation, the impact of the parasitic interaction is very small and the footprint is almost entirely due to sextupoles.

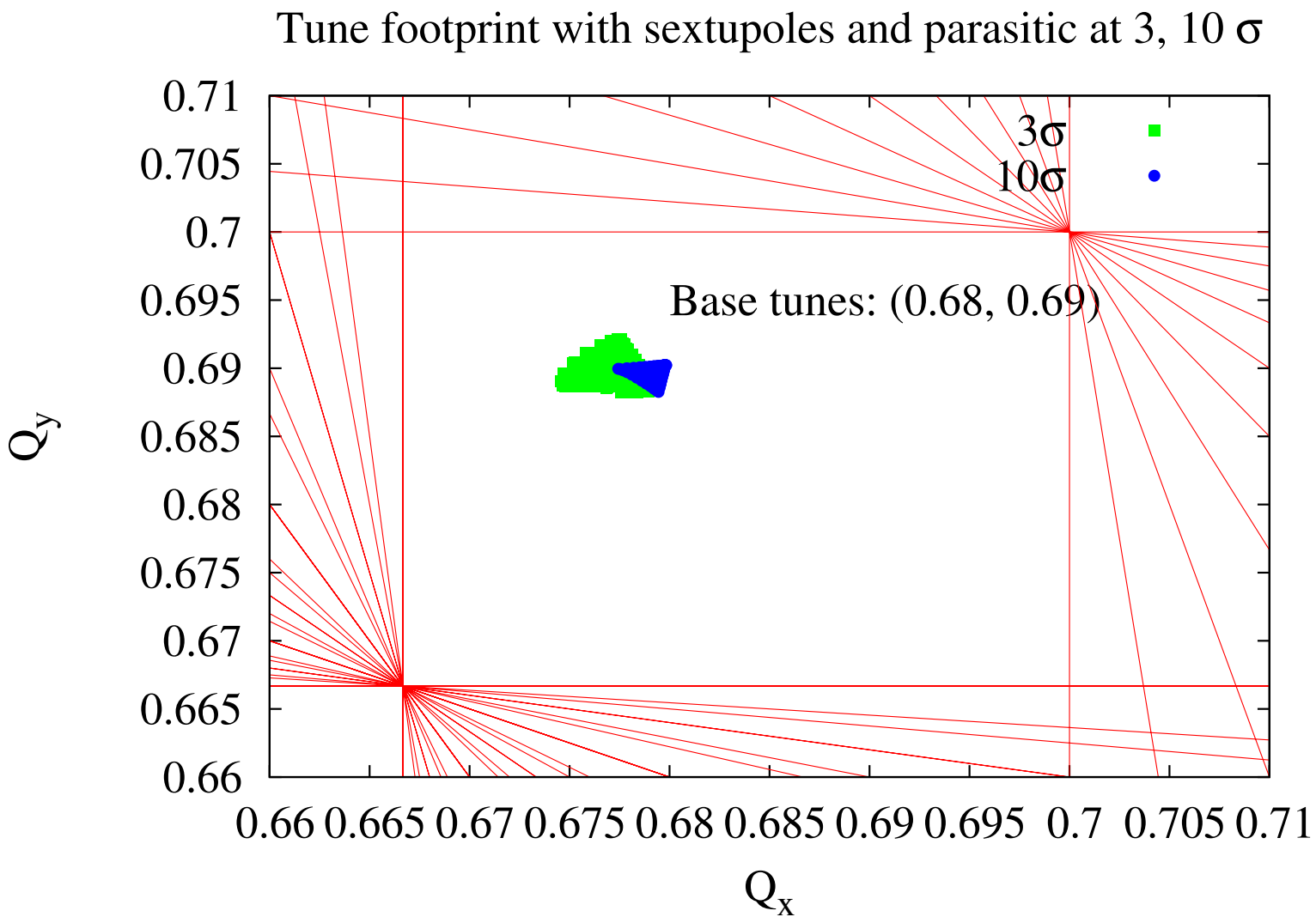

Figure 2: Tune footprints with sextupoles and single parasitic interaction at (1) 3 σ separation, (2) 10 σ separation. Blue beam base tunes = (0.68, 0.69). The closest resonances are the 3rd, 6th and 10th order resonances but the footprint is clear of these resonances at both separations.

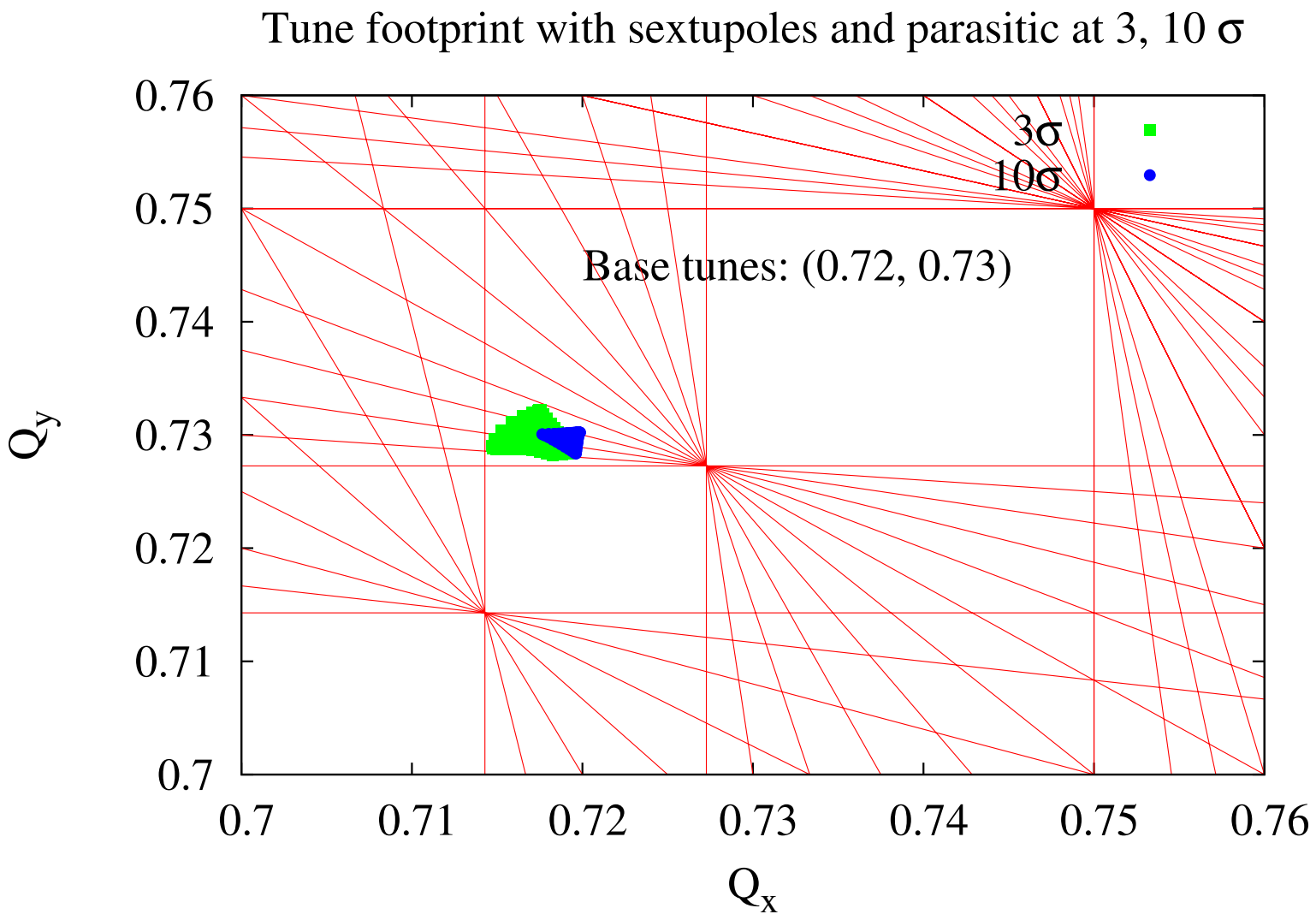

Figure 3: Tune footprints with sextupoles and single parasitic interaction at (1) 3 σ separation, (2) 10 σ separation. Blue beam base tunes = (0.72, 0.73). The closest resonances are the 7th and 11th order resonances. At 3σ separation, the footprint spans these resonances but at 10σ separation, only the 11th order resonances are spanned.